## **EAST Search History**

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|-------|------|---|---|---------------------|---------|---------------------|
| L1    | 0    | (injecting dye bolus) and directing excitation into lung      | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | WITH                | ON      | 2009/11/12<br>08:48 |
| L2    | 0    | (injecting dye bolus) and (directing excitation lung)         | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | SAME                | ON      | 2009/11/12<br>08:48 |
| L3    | 0    | (injecting contrast) and (directing excitation lung)          | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | SAME                | ON      | 2009/11/12<br>08:49 |
| L4    | 0    | (injecting contrast) and<br>(excitation radiation in<br>lung) | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | SAME                | ON      | 2009/11/12<br>08:49 |
| L5    | 9    | excitation radiation in lung                                  | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | SAME                | ON      | 2009/11/12<br>08:49 |
| L6    | 3    | 5 and @ad<"20040114"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/11/12<br>08:50 |
| L7    | 9    | ("5749830").PN. OR<br>("6236881").URPN.                       | US-PGPUB;<br>USPAT; USOCR   | SAME                | ON      | 2009/11/12<br>08:54 |
| L8    | 51   | detecting fluorescence in<br>lung                             | US-PGPUB;<br>USPAT; USOCR   | SAME                | ON      | 2009/11/12<br>08:55 |
| L9    | 24   | 8 and @ad<"20040114"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/11/12<br>08:55 |
| L10   | 0    | detecting fluorescence in<br>lung                             | US-PGPUB;<br>USPAT; USOCR   | WITH                | ON      | 2009/11/12<br>08:55 |
| L11   | 307  | irradiat\$3 radiation in lung                                 | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME                | ON      | 2009/11/12<br>08:58 |
| L12   | 8    | irradiat\$3 radiation in lung                                 | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | WITH                | ON      | 2009/11/12<br>08:58 |

| L13 | 1  | 12 and @ad<"20040114"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2009/11/12<br>08:59 |
|-----|----|--|---|------|-----|---------------------|
| L14 | 0  | irradiat\$3 optical<br>excitation radiation in lung                                  | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | WITH | ON  | 2009/11/12<br>08:59 |
| L15 | 1  | irradiat\$3 optical<br>excitation radiation in lung                                  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON  | 2009/11/12<br>09:00 |
| L16 | 0  | firect\$3 optical excitation in lung   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON  | 2009/11/12<br>09:00 |
| L17 | 4  | direct\$3 optical excitation<br>in lung  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON  | 2009/11/12<br>09:01 |
| L18 | 0  | detect\$ excitation radiation diffusly reflected                                     | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | WITH | ON  | 2009/11/12<br>09:15 |
| L19 | 3  | excitation radiation<br>diffusely reflected  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | WITH | ON  | 2009/11/12<br>09:15 |
| L20 | 0  | (detect or detection or<br>detecting) diffusely<br>reflected excitation<br>radiation | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | WITH | ON  | 2009/11/12<br>09:17 |
| L21 | 15 | (detect or detection or<br>detecting) diffusely<br>reflected excitation<br>radiation | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | SAME | ON  | 2009/11/12<br>09:18 |
| L22 | 11 | 21 and @ad<"20040114"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2009/11/12<br>09:18 |
| L23 | 6  | (("7,328,059") or<br>("6,615,063") or<br>("6,516,214")) .PN.                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2009/11/12<br>11:32 |
| S1  | 2  | "US 20070255134"   | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | OR   | ON  | 2009/01/14<br>10:53 |

| 82 | 2  | ("5400791").PN.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/14<br>10:55 |
|----|----|---|---|----|-----|---------------------|
| 83 | 17 | dye with bolus with radiation   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/01/14<br>11:00 |
| S4 | 15 | S3 and @ad<"20040114"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/01/14<br>11:02 |
| 95 | 50 | (US-20070255134-\$ or US- 20010252976-\$ or US- 20010142386-\$ or US- 20040142386-\$ or US- 20040142386-\$ or US- 20060051244-\$ or US- 20080317207-\$ or US- 2004014945-\$ or US- 20040149914-\$ or US- 20050043860-\$ or US- 20040149914-\$ or US- 20050043860-\$ or US- 2005012936-\$ or US- 2006012936-\$ or US- 2006012936-\$ or US- 2006012931-\$ or US- 20060135861-\$ or US- 20060139861-\$ or US- 20060139861-\$ or US- 20060139861-\$ or US- 20060139861-\$ or US- 2006013936-\$ or US- 2006013936-\$ or US- 2006013931-\$ or US- 200601 | US-PGPUB;<br>USPAT  | OA | ON  | 2009/01/14          |

|     |    | 4752141-\$ or US-4763009-<br>\$).did.   |   |    |    |                     |
|-----|----|---|---|----|----|---------------------|
| S6  | 40 | SS and @ad<"20040114"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/14          |
| S7  | 0  | S6 and dye with bolus<br>with radiation   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/14<br>13:09 |
| S8  | 0  | S6 and bolus with radiation   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/14<br>13:10 |
| S9  | 0  | S6 and bolus  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/14<br>13:10 |
| S10 | 1  | S and bolus   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/14<br>13:11 |
| S11 | 24 | ("20020099279"   "20030060718"   "20030060718"   "20030093064"   "20030093064"   "5279298"   "5394199"   "55766541"   "5910510"   "5766541"   "5910510"   "5385942"   "6140314"   "6162242"   "6186628"   "6249727"   "6319273"   "6351663"   "6351667"   "6440965"   "6449976"   "6440960"   "6443976"   "6840933"   "6936043"). PN. OR ("7364574"). | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/01/14<br>14:56 |

| S12 | 50 | 20010052976-\$ or US- 20040142386-\$ or US- 20080051224-\$ or US- 20080051224-\$ or US- 200800317207-\$ or US- 20040238756-\$ or US- 20040238756-\$ or US- 20040238756-\$ or US- 2004024875-\$ or US- 20040054270-\$ or US- 20040054270-\$ or US- 200400439914-\$ or US- 20050043656-\$ or US- 2006010524-\$ or US- 20060129391-\$ or US- 2006024391-\$ or US- 2006013561-\$ or US- 200 | USPAT   | OR | ON | 2009/01/16          |
|-----|----|---|---|----|----|---------------------|
| S13 | 22 | S12 and (optical with filter)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/16<br>15:11 |
| S14 | 16 | S13 and @ad< "20040114"   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/16<br>15:12 |

| <b>S</b> 15 | 262 | 600/477.cds.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2009/01/16<br>15:46 |
|-------------|-----|---|---|------|----|---------------------|
| S16         | 0   | measur\$3 time\$of\$flight of (fluorescen\$2 or luminescen\$3) through tissue between bolus and surface of body | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>10:39 |
| S17         | 0   | measur\$3 time\$of\$flight of (fluorescen\$2 or luminescen\$3) through tissue to surface of body                | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>10:39 |
| S18         | 0   | measur\$3 time\$of\$flight of (fluorescen\$2 or luminescen\$3) through tissue                                   | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>10:39 |
| S19         | 0   | measur\$3 time\$of\$flight<br>of (fluorescence or<br>luminescence) through<br>tissue                            | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>10:39 |
| S20         | 0   | time\$of\$flight of<br>(fluorescence or<br>luminescence) through<br>tissue                                      | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>10:40 |
| S21         | 0   | time of flight<br>(fluorescence or<br>luminescence) through<br>tissue   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>10:40 |
| S22         | 29  | time flight (fluorescence<br>or luminescence) through<br>tissue   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>10:40 |
| S23         | 0   | time flight (fluorescence<br>or luminescence) through<br>tissue to surface of body                              | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>10:40 |
| S24         | 12  | S22 and @ad< "20040114"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2009/11/10<br>10:41 |
| S25         | 29  | time flight (fluorescence<br>or luminescence) through<br>tissue   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>12:38 |
| S26         | 12  | S25 and @ad< "20040114"   | US-PGPUB;<br>USPAT; USOCR;<br>IPPS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2009/11/10<br>12:38 |

| S27 | 6042408 | S26 and surface of body  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2009/11/10<br>12:38 |
|-----|---------|--|---|------|----|---------------------|
| S28 | 6042408 | S26 and surface of body  | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2009/11/10<br>12:38 |
| S29 | 0       | S26 and surface of body  | US-PGPUB;<br>USPAT; USCOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2009/11/10<br>12:39 |
| S30 | 0       | S26 and dye bolus  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2009/11/10<br>12:58 |
| S31 | 1       | time flight (fluorescence<br>near photon) through<br>tissue  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>13:04 |
| S32 | 29      | time flight fluorescence<br>through tissue   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>13:05 |
| S33 | 12      | S32 and @ad<"20040114"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2009/11/10<br>13:05 |
| S34 | 0       | (inject\$3 dye bolus) and<br>(detect fluorescence) and<br>(time flight fluorescence<br>through tissue) | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>13:09 |
| S35 | 0       | (inject\$3 dye bolus) and<br>(detect fluorescence) and<br>(time flight fluorescence)                   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>13:09 |
| S36 | 14      | (inject\$3 dye bolus) and (detect fluorescence)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>13:09 |
| S37 | 1       | S36 and @ad<"20040114"   | US-PGPUB;<br>USPAT; USCOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2009/11/10<br>13:10 |

| S38 | 987 | (inject\$3 bolus) and (detect fluorescence)                                      | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>13:12 |
|-----|-----|--|---|------|----|---------------------|
| S39 | 1   | (inject\$3 bolus) and<br>(detect fluorescence) and<br>(time flight fluorescence) | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>13:12 |
| S40 | 0   | (inject\$3 bolus) and<br>(detect fluorescence) and<br>(time flight photon)       | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | SAME | ON | 2009/11/10<br>13:17 |
| S41 | 413 | S38 and @ad<"20040114"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2009/11/10<br>13:17 |
| S42 | 413 | S41 and (time between excitation and fluorescence)                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2009/11/10<br>13:18 |
| S43 | 4   | S41 and (time between<br>excitation and<br>fluorescence)                         | US-PGPUB;<br>USPAT; USCOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/11/10<br>13:19 |
| S44 | 3   | S41 and (time between<br>excitation and radiation)                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2009/11/10<br>13:19 |

## 11/12/2009 11:38:05 AM

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